

ABSTRACT OF THE DISCLOSURE

A mechanism for changing direction of exerted force of wrench having a ratchet wheel is disclosed. In an enclosed box portion of the wrench there are provided an opening, a C-shaped seat on a bottom of the opening, the
5 C-shaped seat having a C-shaped groove, a ratchet wheel disposed in the opening, a pawl in a first cavity, an upright swing assembly in a second cavity, and a ring for retaining the ratchet wheel in place. Counterclockwise turning the swing assembly will bias one steel ball against the pawl for engaging the pawl with the ratchet wheel, thereby causing the wrench to exert force toward a
10 direction. Alternatively, a clockwise turning of the swing assembly will cause the wrench to exert force toward a reverse direction. Further, clockwise turning the wrench will cause the ratchet wheel to be inoperative, thereby adjusting an angle of the exerted force.